

ABSTRACT OF THE DISCLOSURE

A distributed system allows marking devices and the like to subscribe to and run device-centric services. A device model agent allows the devices to interact with service hosts of service providers to automate supplies maintenance, user help, and services subscription and deployment. The device model agent can be embedded in the devices, can be deployed in an add-on component connected to the device, or can be run by a separate machine as a proxy. The device model agent provides a run time environment for services available to the device , but with a common interface and a common structure so that services can be written once and run in the device model agent in virtually any deployment.